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### MAIL STOP AMENDMENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Michael J. Pollack

Conf. No.: 3586 Group Art Unit:

2613

Appln. No.: 10/058,658 Examiner:

Richard J. Lee

Filing Date:

January 28, 2002

Attorney Docket No.: G0623-0670U1

Title:

MONITORING SYSTEM FOR HOSTILE ENVIRONMENT

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(e)(1)

Attached is the Information Disclosure Citation Form PTO/SB/08A, which lists documents that may be material to the patentability of this application and/or for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

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| Adjustment date: 03/10/2008<br>01/27/2006 PZIMMERM 00000006<br>01 FC:1806 180.00 CR | SKELEKE1 10058658 |
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FAX No.: 571-273-6500

Group Art Unit: 2613

Date: February 14, 2006

From: Lynda L. Calderone

FAX Operator: Diana L. Bolster

Re: U.S. Patent Application No. 10/058,658

Title of All Paper(s) sent via Facsimile: OPTICAL MONITORING SYSTEM FOR HOSTILE

**ENVIRONMENT** 

Time: 4 15 pm Flaster/Greenberg File No: G0623-670U1

Page 1 of A (pages

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ln re:

Patent Application of Michael J. Pollack et al.

ATTN: REFUNDS

Conf. No.

3856

Group Art Unit: 26:13

Appln. No.: 10/058,658

Examiner: Richard J. Lee

Filed:

January 28, 2002

Attorney Docket No. G0623-670U1

For:

OPTICAL MONITORING SYSTEM FOR HOSTILE ENVIRONMENT

### REFUND REQUEST

In reference to the above-identified patent application, please note Applicants filed an Information Disclosure Statement ("IDS") with the United States Patent and Trudemark Office ("PTO") on September 6, 2005 under Rule 37 CFR 1.97(c)(1) along with a certification under Rule 1.97(e)(1) that the reference(s) cited were made known to the Applicants in a PCT Search Report dated within three months of the filing of the IDS. However, while the PTO/SB/08A forms list the correct European Search Report, the international counterpart PCT Application No. PCT/US02/02335 is inadvertently listed in the body of the ID\$. The European Search Report, which Applicants submitted, and in which the prior art was cited, was in fact dated June 6, 2005, within three months of the IDS.

Prior art may be submitted when cited within three months of a foreign search report, such that applicants believe that the \$180 IDS late fee should not apply. After reviewing our monthly Deposit Account Statement (a copy of which is attached hereto with the charge at issue highlighted), it appears that the account was charged the \$180.00 late IDS fee. Copies of the Information Disclosure Statement, as filed, as well as the European Search Report and our deposit account statement are attached for your review. As noted, the Certificate of Mailing on the IDS indicates that the IDS was filed September 6, 2005, three months after the European Scarch Report date of June 6, 2005. To correct the record, Applicants herein certify that under 37 CFR 1.97(e)(1), the references cited in the IDS of September 6, 2005 were first cited in a European Search Report dated June 6, 2005, which was enclosed with the IDS of September 6, 2005.

PAGE 2724 \* RCVD AT 2114/2006 4:16:25 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-6/31 \* DNS:2736500 \* CSID: \* DURATION (mm-6s):05-48

Walikan.

In view of the foregoing, Applicants thus, respectfully requests at this time that a refund of 180.00 be applied to the deposit account of Flaster/Greenberg P.C., Deposit Account No.50-3541.

Respectfully submitted,

MICHAEL J. POLLACK, ET AL.

2/14/06

Date

ly: -

Lynda L. Calderone
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LLC:dlb Enclosures





### **Deposit Account Statement**

Requested Statement Month:

January 2006

Deposit Account Number:

503541

Name:

Attention:

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**CHERRY HILL** 

State:

NJ

Zip:

08002

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| 01/17 52  | 10058658           | 200285.0689               | 1252        | \$450.00    | \$4,550.00 |
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MAIL STOP AMENDMENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Michael J. Pollack

Conf. No.: 3586 Group Art Unit:

2613

Appln. No.: 10/058,658

Examiner:

Richard J. Lee

Filing Date: January 28, 2002

Attorney Docket No.: G0623-0670U1

Title:

MONITORING SYSTEM FOR HOSTILE ENVIRONMENT

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 81.97(c)(1)

Attached is the Information Disclosure Citation Form PTO/SB/08A, which lists documents that may be material to the patentability of this application and/or for which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this Information Disclosure Statement shall not be construed as an admission that any of the listed documents constitutes prior art, or as an admission against interest in any manner.

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Application Serial No.: 1... J58,658 Information Disclosure Statement

This Information Disclosure Statement is pursuant to 37 C.F.R. § 1.97(c)(1) and is being filed before the mailing of a final action, before a notice of allowance and before any other action that closes prosecution of the above-identified application and includes a statement under 37 C.F.R. § 1.97(e)(1).

#### Statement Under 37 C.F.R. § 1.97(e)(1)

Each item of information contained herein was first cited in a communication from a foreign patent office or in an international PCT application in counterpart foreign/PCT Application No. PCT/US02/02335 on June 6, 2005, not more than three months prior to the filing of this information disclosure statement.

While no fee is believed necessary, the Commissioner is hereby authorized to charge any deficiencies or credit any overpayments to Deposit Account No. 50-3541.

It is respectfully requested that this Information Disclosure Statement and the documents listed on the attached Form PTO/SB/08A and/or B be considered and acknowledged by the Examiner in connection with the above-identified patent application, be made of record therein, and that the listed documents be cited in the issued patent.

Respectfully submitted,

Greene, Tweed & Company, Inc.

9/6/05<sup>-</sup> (Date) Inca 2 Custo

Tara L. Custer Registration No. 51,019

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Attachments: Form PTO/SB/08A (1 page)

| Form PT          | 0/58/0  | 8A        |      |                           | Complete if Known  |  |
|------------------|---------|-----------|------|---------------------------|--------------------|--|
| INFORM           | 477011  | 01001.0   |      | Application Number        | 10/058,658         |  |
| INFORM<br>STATEM | A HUN   | PISCLQ    | SURE | Filing Date               | Jenuary 28, 2002   |  |
| VIAILE           | U11 6   | 1 AFFL    | CANI | First Named Inventor      | Michael J. Pollack |  |
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|                  |         | RESSIA)   |      | Examiner Name             | Richard J. Lee     |  |
| Sheet            | 1       | of        | 1.   | Attorney Docket<br>Number | G0823-670U1        |  |

| _        |                 | U.\$.                   | PATENT DOCUMENTS                |                        |
|----------|-----------------|-------------------------|---------------------------------|------------------------|
| Exr      | U.S. Patent Doc | zument                  | Name of First Inventor of Cited | Date of Publication of |
| initiate | Number          | Kind Code<br>(if known) | Document                        | Cited Document MM-YYYY |
|          | 4,485,398       |                         | Chapin, Jr. et al.              | 11-27-1984             |
|          | 5,604,532       |                         | Tilimanns                       | 02-18-1997             |
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|-----------------|---------|-----------------------------|----------------------------|-------------------------------------|---|---|
| Exr<br>Initials | Country | eign Patent Docum<br>Number | Kind<br>Code (if<br>known) | Name of Applicant of Cited Document | Date of Publication of Cited Document MM-YYYY | T |
| _               | ĞВ      | 1,042,179                   |                            | Compagnia Francaise Thomson-Houston | 09-1966                                       |   |
|                 |         |                             |                            |                                     |   |   |

| Exr      | OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS  |                |
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|          | Copy of International Search Report in counterpart European Application No. 02 703 248.1-2202 (June 6, 2005), 4 pages.   |                |
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| Examiner  |          |            | _ |
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| Signature | <u> </u> |            |   |
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pizce a check mark if complete document is in English; otherwise, place a letter "A" if only an English abstract is ettached.

### PATENT SPECIFICATION



Date of Application and filing Complete Specification; September 70, 1963.

1,042,179 No. 37102/63

Application made in France (No. 910073) on September 21, 1962. Complete Specification Published: September 14, 1966.

O Crown Copyright 1966.

Index at Acceptance:—H4 F (2EX5, 5A); G6 C2K; H4 T1. Int. CL. H 04 n 5/16 // G01z. G21.

### COMPLETE SPECIFICATION

#### DRAWINGS ATTACHED

### Improvements in Television Cameras

We, COMPAGNIR FRANCAISE TERMSON-Houston, a French Body Corporate of 173 Boulevard Haussmann, Paris Same, Prance, do hereby declare the invention, for which 5 we pray that a parent may be granted to us, and the method by which it is to be performed, to be particularly described in and has the following statement. by the following statement

The present invention relates to immuve-10 mans in television comens, and more particularly to those which may be used in sur-

roundings at a high temperature.

Industrial television cameres permit the observation of phenomena in different media where direct observation of the phenomena is difficult. Rumples are submarine television, medical television, etc.

In some cases, the televising takes place in surroundings at a high temperature; for example when making observations of the

interior of fumaces.

The two of television cameras in a high temperature medium raises problems in mistion to the electronic components and in-25 ternal connections utilised. Although various of the electronic components, such as resis-tors, capacitors, or tubes, may be used over a wide manpennure range, this is not true of the camera tube, which cannot samly be sub-30 jected to a temperature greater than 60°C.
This being so, it is therefore necessary to provide an appropriate cooling arrangement to keep the whole of the camera apparatus and in particular the analyser tabe at a permisible temperature. In the case of fixed installations, this arrangement may consist of a system of pipes for circulating a coolant fluid around the camera, It is also possible to use cooling plates making use of the 40 Peltier affect. However in both these cases the cooling installation is combersome, heavy and hirly expensive.

The heat given off internally by the elect-

rouse components gasing in heating the camera when it is in a medium which is 45 already at a high temperature, so that it is necessary to provide a cooling arrangement as mentioned above, in addition to heat insmission. Where the common is cooled by the circulation of a finid, such as water, for 50 crample, there is always a danger of leakage, which has to be avoided where the camera is to be used in a medium which would be modified by the finish,

The problem of providing a commen with a 55 suitable cooling arungement becomes par-ticularly complicated when it is a mobile camera without a circulating cooling system. The same is usually relevised along the

optical axis of the camera. When it is to be 60 televised interally, my at right angles, it is

necessary to use a special optical device.

The object of the present invention is to provide a television comera enabling the aforementioned difficulties to be reduced or 65 overnome, which is bugnly self-contained and which is suitable for use in sucroundings at

a high temperature.

Accordingly the present invention con-sists in a television camera assembly com-prising a double-walled jacket forming a reservoir for a coolant finid, the jacket ambracing a scaled enclosure in which is located the operational apparatus of the camera, ex-pansion of the coolant fluid in the jacket pro- 73 ducing a cooling of the walls of the latter and of the said encioners, this cooling permitting during the period of existence of the fluid in said reservoir, maintenance of the camera apparatus at a cosmoled operating tempera. 30 ture in a high temperature environmental medium, the said coolant jacket and carners appearing in the enclosure being removable and replaceable with respect to, and independently of, each other.
When the camera is used in a gaseous

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#### 1,043,179

aimmuhans exposed to nuclear radiation, it is essential that the coolant fluid used does not modify the characteristics of the surrounding atmosphere should it vaporise out 5 of the camera.

According to a feature of the invention, therefore, when the camera is used in a gaseous environment exposed to nuclear radiation, the coolant fluid used has where 10 possible, the same nature as the gas surrounding the camera, with an escape valve, being provided for directly evacuating the gas produced by the expansion into the gaseous environment which has the same 15 chemical composition.

The invention will now be further described, by way of example, with reference to the accompanying drawings, in which: Figure 1 shows a section through the

Figure 1 shows a section through the 20 whole of one embodiment of camera apparatus constructed in accordance with the present invention; and

Figure 2 shows a partial section through an alternative embediment of the camera according to the present invention.

The camera examply shown in Figure 1 may be divided up into two parts: manely the operational part of the television camera, and a part comprising the cooling arrangement, in the form of a cylinder containing the colant fluid, surrounding the operational part.

The operational part is contained in a sucial tube 22; having dimensions determined by the diameter of the camera tube 1, by the volume required by the coolant fluid contained in the cooling strangement and by the maximum outer dimensions of the camera assembly. This tube 22, is scaled and contains 40 the camera tabe 1, which may, for axample, he of the 'Vidicon' type, and behind which is arranged an electronic amplifier 2, connected by a connection assembly 3, to a reafed connector 4. The front part also comprises a 45 lens 8. The optical members are completed by a lighting system 10 and a fixed reflecting conical striage 14, both of which may be disassambled.

Although the following and other details

50 do not four an essential part of the invention chimed; they are given by way of
additional explanation of the uses to which
a camera incorporating teatures according
to the present invention may be put.

55 In practice, the subsect of observation is usually an obser such as a walf part of a sheath of a fuel element located at right surgles to the obtical axis of the camera lens 8. The object is thus observed through a 69 conical mirror 8.

The object AB illustrated is an annular sheath portion 19, with a generatify depending on the distance of the wall surface to be examined and the focal length of the lens 65 used. For a given distance of the wall, it is

of course possible to obtain an image with a longer generatrix by using a lens with a shorter local length. An example of a suitable lens is one with a focal length of 35 mm. Of course the image A'B' is anamorphised 70 owing to the effect of the conical mirror but this is of no importance. In practice, even, any longitudinal cracks observed will be enlarged in which.

The ions assembly 8 is protected by a cur 75 transparent quartz disc 9 scaling the tubs 22.

The ions assembly 8 is protected by a cur 75 transparent quartz disc 9 scaling the tubs 22.

The image AB arrives at the conical mbror 6 after passing through an optical can glass ring 20 welded to two metal mounting rings. Small low-voltage lamps 10 are 80 arranged in front of the mirror 6 and light up the wall surfaces of the sheath 19. Since the optical part (numbered generally 14 and including mirror 6, lamps 10, and glass ring 20) is fragile, it is protected from impact in 85 operation by an appropriate device such as a circular dish 18 provided on the cooling arrangement 13 and fixed, for instance, by metal rods.

The cooling arrangement, i.e. the other part of the assembly, is constituted by a double-walled heat-insulating vessel 13 of polished sminlem such, argm welded, the air being evacuated from the annular parts 12 between its walls. This vessel which is for example, of 4 lines total capacity, contains liquid carbanic anhydride (CO2) which is introduced into the interior 11 of the vessel by a filler valve 16. The Hquid CO2 expands through metal valves 15, fixed at the rear 100 of the vessel man the connector 4 of the connecting cable 3, directly into the sheath under choosevation. The valves 15 comprise a subsable mechanism whereby finit achains from the vessel 13 is automatically controlled depending on the external pressure of the medium around the said vessel. The expansion of figuid CO2 causes a powerful cooling of the walls of the vessel. This cooling effect acts in turn on the operational part of the temperature of the causers at a permissible

operational level.

The metal tube 22 enclosing the operational part is inserted as a ringle assembly 115 into the heat-insulating vastel, which has been filled with the coolenn field, and a drowlar nut 17 locks it from behind. As these two parts are very quickly disconnected or assembled, a number of coolent vessels may 120 conveniently be filled before use of the assembly so as to allow for observation over 3 longer period with only the short interruptions necessary to replace a 'spent' vessel.

The camera assembly is held in the axis of 125

The camera assumbly is held in the axis of 1 the sheath by guide springs 7 of stainless atcel or by any other suitable arrangement, such as rollers, for example, allowing for accurate focussing over the entire length of the sheath.

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The camera described arrive, allabeth above in Figure 1 in a hadrontal sheath is particularly intended for use in vertically disposed ancient reactors sheaths in which the curton dioxide gas circulates from the bottom to the top at a considerable rate, vir. from saveral moters to saveral dozon motors per several insure to averal comes meneral per second, and at very high pressure, it descends inside the sheath under its own 10 weight; and is connected by its supply and suspension cable 3 to a suitable atmospment convolling its decedent or ascent. If the temperature of the CO2 site high temperature. temograture of the CO2 gas is high (from 200°C to 400°C) and if the nuclear radiation of neutrons or of gamma rays is considerable, appropriate arrangements are made for the material pand in the camera to be sub-lected to this temperature and the various maintaines without sustaining damage. Hence, special replaces maining the various radigitions, tetralitorocklyfens resin (anch as Teflon or Finon) - amounted cables (Trade Marks) and when with special insulation, each as white insulated with allocalited fibre-

25 glass, etc. are used in the camera.

The foregoing description relates more particularly to a camera which is simple to openies and intended for a specialised use.

Figure 2 shows alternative embodiment of 50 the camera, in which certain improvements and modifications intro been made, making it possible to use it at a duther temperature and for a number of purposes. This camera is, however, based on the camera described

is, however, based on the camera described above; only its front end differs and this will be described in desail.

In order to improve the quality of the image ordering, a vidicon scanner tube I of larger dimensions than the tube used in the 40 aforementioned curbodiment is used. This tube makes it possible to schiove greater

tube makes it possible to achieve greater definition of the image (700 to 800 points). Since it is chiefly the front end of the vidicon scanner tube which needs cooling, the cooling arrangement described above has been modified, its rear end having a similar arrangement for supplying and exhausting the coolant to that previously described. The heat-insulating versel has an evacuated space 50 12, a compartment 11 for the liquid OU and 50 12, a compariment 11 for the liquid CO2 and an ameutar space 30 in which the liquid COZ. which arrives through a pipe 5 in the form of an inner tube 31, communicating with 11, is evaporated and expands. This expansion inside the annular space 30 has an interest cooling ceffet. The gases then escape through a further pipe 5' in the form of an inner take 32 communicating with the emids environment through a valve located close to the scaled electrical connector described above in relation to Figure 1. Since the annular

I it is more competically cooled. In order to make the camera suitable for 65 use as a multi-purpose camera, the lens 8 has

space 30 surrounds the front end of the tube

deem made dissiduatable through the freat sign of the tube containing the operational part of the tube containing the operational part of the tenium of the forming a horizing ring 27 is universeved, they making it possible to remove 70 the transparent scaling glass 9 and the lenium bottles, which makes it possible to tune to the transparent scaling glass 9 and the lenium bottles, which makes it possible to tuse lenium of different local lenium. A shousting device it also provided. To this tend, the lenium contains a continuous sinuscidal grouve 33 in which 75 a fixed finger 34 is engaged. A guar 35 linked to the leni holder things it jossible to minite the said leni-holder, and so, by virtue of the grouve 33 and the fixed linger 34, to move the lena along its optical suit. A plation 80 29 fixed to a shall suit optical suit. A plation 80 29 fixed to a shall will be senium as the contained the contained by a small step-by-step motor with a pawl said a contained doctromagner. (seed shown in the distribute.) The plation 29 engages the gent 35 and by rotanging the states of the states in such that doctromagner. (seed shown in the distribute.) The plation of the lenis is adjusted. After this has been see pulpes after the longer seni. This inationals do grevent checked interference 90 diffing contributions.

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In order to allow for lateral examination the impar part of the camera is commission, the impar part of the camera is commissed by allumous below and 14 mounted on this heat-insulating vessel by acrows 28. It comprises a sevolving unter support 26 for a mirror 6 inclined at 45° and protected by a transparent glass face 20.26. This turret is fixed to a gest 36 driven by the rotation of a gast turbine motor 28 and capable of being atomed in a desired notified by an electrostopped in a delived position by an electro-magnetic brake 25. The whole of the dis-mountable part 14 is protected in front by a cap 24 with an opening 37 through which carbon dioxids gas, being for instance, in forced circulation in a reactor sheath, may pass into the turbine motor 28.

There are two reasons for rejecting an 115 electric motor as means for rotating the mirror. On the one hand, the temperature of the operational environment and on the other hand, interference caused by an electric motor, which would be likely to blur the 120

image obtained by the camera tube.
Where the camera is specially intended for use in a nuclear reactor sheath through which a violent stream of CD2 grs under pressure circulates at a high speed, the afone 125 mentioned gas turbine motor 23 it used. This prevents the intrusion of any troublesome interference upsetting the observation of the image produced. The interference produced by the tele-controlled electric brake 130

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#### 1,042,179

25 is not very troublesome and disappears as som as this brake has stopped the rotating mirror and consequently it is held stationary so that detailed observation can be made. The claimed features of the television cannon described shove make it also suitable for other processes and of cruzal for

for other purposes and of course for less rigamus operational conditions. Its shape

makes it perticularly stell adapted for ex10 ploring pipes and the like.
Whilst particular embodiments have been described, it will be understood that various modifications may be made without departing from the scope of this invention.
WHAT WE CLAIM IS:

I. A talevision comers assembly compris-ing a double-walled jacket forming a reservoir for a coolant fluid, the jacket embracing a scaled enclosure in which is located the 20 operational apparatus of the camera, copan-sion of the coolant fluid in the lacket proaron of the coolant much in the prices pro-ducing a cooling of the walls of the latter and of the said enclosure, this cooling per-mitting, during the period of existence of 25 the fluid in said reservoir maintenance of the camera apparatus at a controlled operating temperature in a high temperature environmental medium, the said coulant jacket and camera apparatus in the enclosure being re-sonance apparatus in the enclosure being re-30 movable and replaceable with respect to, and independently of each other.

2. An assembly as claimed in claim 1, wherein the coolent faild used is of the same

nature as a passous environment in which the assumbly is located or to be located.

3. An assumbly as claimed in claim 1 or claim 2 wherein a differential escape valve is provided for the colaint system to evacuate the case needled by the assumption.

are the gas produced by the expansion.

4. An assumbly as claimed in claim 1, 40
2 or 3, wherein the coolent fluid is liquid carbonic anhydride.

5. An assembly as claimed in any previous claim whorein the hecket is a double-walled metal enclosure.

6. An assembly as claimed in any previous claim wherein a space existing betwom the double walls of the jacket is evacuated.

7. An assembly as chilmed in any 50 previous claim wherein the staled enclosure is provided with an annular chamber through which the coolant fluid may pass to enhance cooling of the enclosure in the vicinity of the sald chamber.

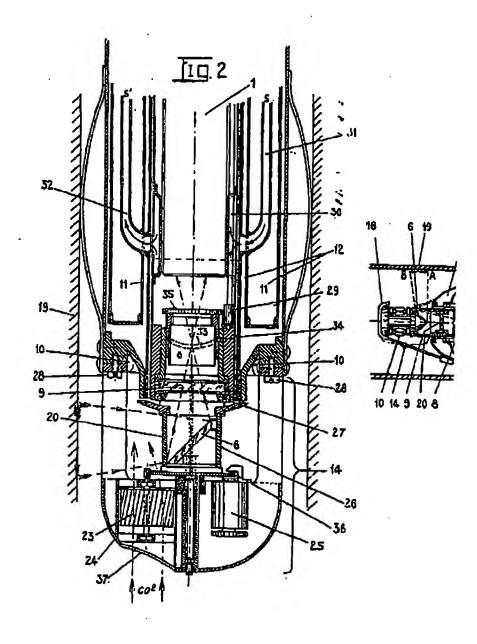
8. A television assembly substantially as herein before described with reference to

Figure 1 of the accompanying drawings.

9. A television assembly substantially as hereinbefore described with reference to 60 Figure 2 of the accompanying drawings.

> BARREN & WARREN, la, Kanslagton Square, London, W. Chartered Patent Agent.

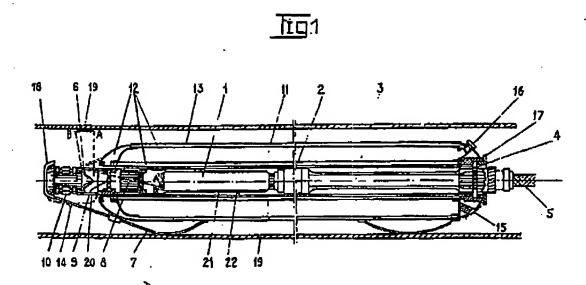
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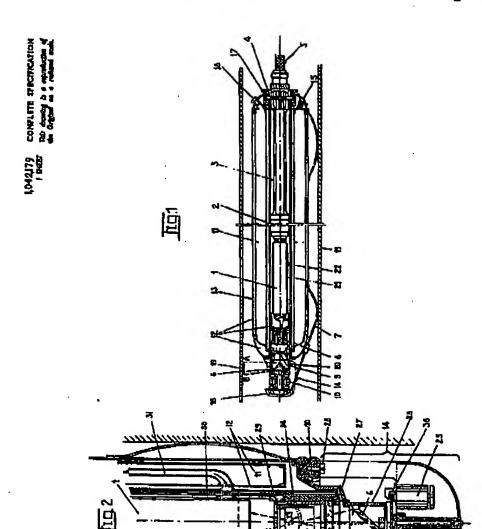
PAGE 12/24 \* RCVD AT 2/14/2006 4:16:25 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-6/31 \* DNIS:2736500 \* CSID: \* DURATION (mm-ss):05-48

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1 SHEET COMPLETE SPECIFICATION
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## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

if applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents ofted in the European search report is (are) enckned as well.

## REFUND OF THE SEARCH FEE

if applicable under Article 10 Rutes relating to fees, a separate communication from the Receiving Section on the return of the search tee will be sent later.



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### SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number EP 02 70 3248

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Application Humber EP 02 70 3248

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### ANNEX TC HE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 02 70 3248

This ennex tists the patent turnity members relating to the patent documents cited in the above-mentioned European search report. The members are se contained in the European Potent Office EDP file on The European Patent Office is in no way liable for these particulars which are marrily given for the purpose of information.

25-05-2005

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### <u>IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</u>

In Re Patent Application of: Michael J. Pollack

Conf. No.: 3856

: Group Art Unit:

Appln. No.: 10/058,658

Examiner:

Richard J. Lee

Filing Date:

January 28, 2002

: Attorney Docket No.: G0623-67()U1

Title:

MONITORING SYSTEM FOR HOSTILE ENVIRONMENT

### STATEMENT UNDER 37 C.F.R. § 3.73(b)

Greene, Tweed of Delaware, Inc., and Three E Laboratories, Inc. corporations state that they are the assignees of the entire right, title, and interest in the above-identified patent or patent application by virtue of an assignment from the inventor(s) in the above-identified patent application/patent. The assignment was recorded in the United States Patent and Trademark Office (PTO) at Reel 012547, Frame 0578.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignces in accordance with the attached Powers of Attorney to Prosecute Applications Before the U.S. PTO.

Please address all correspondence to Customer No. 000054380, namely, FLASTER/GREENBERG, P.C., 1810 Chapel Avenue West, Cherry Hill NJ 08002. Please direct all communications and telephone calls to Lynda Calderone at (856) 382-2:206 (telephone) or (856) 661-1919 (facsimile).

Respectfully submitted,

Greene, Tweed of Delaware, Inc. and Three E

Laboratories, Inc.

9/V/05

LYNDA CALDERONE, Shareholder and Attorney for Greene, Tweed of Delaware, Inc. and Three E

Laboratories, Inc. Registration No. 35,837

FLASTER/GREENBERG P.C.

Commerce Center

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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS HEFORE THE U.S. PATENT AND TRADEMARK DEFICE

Three E Laboratories, Inc., assignee of the above application, by its undersigned representative, hereby revokes all previous powers of attorney given in the application identified in the enclosed Statement Under 37 C.F.R. §3.73(b).

Three E Laboratories, Inc., by its undersigned representative, hereby appoints the registered atterneys and agents associated with Customer No. 000054380, Platter/Greenberg, P.C., as its atterneys or agents to represent the assignee before the United States Patent and Trademark Office (U.S. PTO) in connection with any and all patent applications assigned only to the undersigned according to the U.S. PTO assignment records or assignment documents attached to this form and/or to the enclosed Statement Under 37 C.F.R. §3.73(b) and in accordance therewith, with full power of substitution and revocation, to prosecute the application identified in the enclosed Statement Under 37 C.F.R. § 3.73(b) and to transact all business in the U.S. PTO connected therewith.

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The undersigned states that he/she is authorized to sign the document on behalf of the assignce of the above application, and he/she certifies that, to the best of assignce's knowledge

and belief, title to the above application is in assignee by virtue of the documents provided and/or referenced in the enclosed Statement Under 37 C.F.R. §9.73(b).

Respectfully submitted,

\_\_\_\_\_(

Name: Michael J. Polla

Title President

Telephone: (2/5) 256-752/

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Date: 9/6/05

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Greene, Tweed of Delaware, Inc. assignee of the above application, by its undersigned representative, hereby revokes all previous powers of attorney given in the application identified in the enclosed Statement Under 37 C.F.R. §3.73(b).

Greene, Tweed of Delaware, Inc, by its undersigned representative, hereby appoints the registered attorneys and agents associated with Customer No. 000054380, Flaster/Greenberg, P.C., as its attorneys or agents to represent the assignee before the United States Patent and Trademark Office (U.S. PTO) in connection with any and all patent applications assigned only to the undersigned according to the U.S. PTO assignment records or assignment documents attached to this form and/or to the enclosed Statement Under 37 C.F.R. §3.73(b) and in accordance therewith, with full power of substitution and revocation, to prosecute the application identified in the enclosed Statement Under 37 C.F.R. § 3.73(b) and to transact all business in the U.S. PTO connected therewith.

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Respectfully submitted,

Greene, Tweed of Delaware, Inc.

Name: Michael Delfiner Title: Vice President . Telephone: 21:-256-9521

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